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SUBJECT: EVALUATION OF OLD HEAD MISSION G-108, FLOWN 11 DECEMBER 1969

1. IMAGE QUALITY: THE OVERALL IMAGE QUALITY OF THIS MISSION IS GOOD AND COMPARABLE TO THE BEST MISSIONS (G-103 AND G-104) UTILIZING THE IRIS II CAMERA SYSTEM. IMAGE DEGRADATION DUE TO VEHICLE VIBRATION IS NOT AS NOTICEABLE AS THAT OBSERVED ON G-106 AND G-107. THERE IS A DIFFERENCE IN IMAGE QUALITY BETWEEN THE FWD AND AFT LOOKING EXPOSURES. THE QUALITY DIFFERENCE IS MOST APPARENT AT 50X MAGNIFICATIONS. THE IMAGERY OF THE AFT LOOKING CAMERA, AT 50X MAGNIFICATIONS, LACKS THE SHARPNESS AND EDGE DEFINITION OF THE FWD LOOKING IMAGERY. THE INTERPRETATION SUITABILITY IS GOOD. SMALL OBJECTS SUCH AS PEOPLE AND WINDSHIELD BREAKS ARE DETECTABLE. CLOUD COVERR OBSCURES APPROXIMATELY 25 PERCENT OF THE ENTIRE MISSION.

2. MISSION DATA:

A. G-108, 11 DEC 1969
B. I-2, 8007
C. A/C NO: 339
D. STEREO
E. T/O: 1150Z, C/ON: 1416Z
F. 3404, W-23A
G. MX-819-1
H. AVG. GAMMA: 1.73

3. ORIGINAL NEGATIVE:

A. EXPOSURE: ADEQUATE FOR INTERPRETATION PURPOSES.
B. DENSITY AND CONTRAST: GENERALLY MEDIUM.
C. IMAGED DEGRADATIONS: FOG PATTERNS ASSOCIATED WITH CAMERA START-UP AND SHUTDOWN ARE PRESENT ON FRAMES 1 AND 1129. THE DATA BLOCK AREA BETWEEN FRAMES 1113 AND 1119 IS FOGGED. THIS IS APPARENTLY DUE TO IMPROPER CAPPING OF THE SLIT. ALL OTHER DEGRADATIONS WHICH ARE CONSIDERED TO BE CHARACTERISTIC OF THE SYSTEM ARE ALSO PRESENT. (REF:NPIC 7519).
D. PHYSICAL DEGRADATIONS: NUMEROUS FINE EMULSION SCRATCHES, PARALLEL TO THE MAJOR AXIS, ARE PRESENT THROUGHOUT THE MISSION. THERE ARE SIX HEAT SPLICES PRESENT ON THIS MISSION.
E. DATA RECORDING EQUIPMENT: ALL SYSTEMS FUNCTIONED PROPERLY THROUGHOUT THE MISSION.
F. THE LAST TITLED FRAME IS 1129, COUNTER 1134. THIS PLUS 5 BIAS WAS CONSTANT THROUGHOUT THE MISSION.

4. POSITIVES: THIS WAS THE FIRST OPERATIONAL MISSION UTILIZING MX-819-1 AND MX-578 FOR PROCESSING THE ORIGINAL NEGATIVES AND DUPLICATE POSITIVES RESPECTIVELY. THE POSITIVES ARE OF GOOD QUALITY WITH ADEQUATE CONTRAST AND ARE CONSIDERED GOOD FOR INTERPRETATION PURPOSES.

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END OF MESSAGE

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GROUP 1 Excluded from automatic downgrading and declassification

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